

**AMENDMENTS TO THE CLAIMS, COMPLETE LISTING OF CLAIMS  
IN ASCENDING ORDER WITH STATUS INDICATOR**

Please amend the following claims as indicated.

1. (Currently Amended) A process for producing a modified polymer having, in the molecule thereof, an organic group introduced thereto and derived from a compound(s) having a mono-nitroxide free radical(s), said process comprising:

generating a carbon radical(s) in the molecule of a polymer to be modified by at least one means for generating a carbon radical selected from the group consisting of a radical initiator, electron beam, light and radiation; and

reacting a-the polymer having the carbon radical(s) generated above with a compound(s) having the mono-nitroxide free radical stable at an ordinary temperature in the presence of oxygen, after or while a carbon radical(s) is generated in the polymer.

2. (Canceled)

3. (Currently Amended) A process for producing a modified polymer as claimed in claim 1 ~~or 2~~, wherein said organic group is at least one group selected from the group consisting of a C<sub>1</sub> to C<sub>30</sub> alkyl group, allyl group, amino group, isocyanate group, hydroxyl group, thiol group, vinyl group, epoxy group, thiirane group, carboxyl group, carbonyl-group containing group, amide group, ester group, imide group, nitrile group, thiocyan group, C<sub>1</sub> to C<sub>20</sub> alkoxy group, silyl group and alkoxysilyl group.

4. (Currently Amended) A process for producing a modified polymer as claimed in claim 1 ~~or 2~~, wherein a means for generating a carbon radical in said polymer is at least one means selected from a radical initiator, electron beam, light and radiation is the use of a radical initiator.

5. (Original) A process for producing modified polymer as claimed in claim 4, wherein the amount of use of the radical initiator is 0.1 to 0.6 parts by weight based upon 100 parts by weight of said polymer.

6. (Currently Amended) A modified polymer obtained by a process according to  
~~any one of claim 1 or 2.~~

7. (New) A process for producing a modified polymer as claimed in claim 1,  
wherein the generation of the carbon radical is carried out in the presence of the compound(s)  
having the mono-nitroxide free radicals.